

# Converting Colors

Yxy(69.0847, 0.3008, 0.2841)

Have a look what the booklet for  
Yxy(69.0847, 0.3008, 0.2841)  
contains.

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# Color

**Yxy(69.2326, 0.3011, 0.2846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8D0FB
RGB	232, 208, 251
RGB Percent	91%, 82%, 98%
CMY	0.0902, 0.1843, 0.0156
CMYK	0.08, 0.17, 0.00, 0.02
HSL	273°, 84%, 90%
HSV	273°, 17%, 98%
XYZ	73.2464, 69.2326, 100.7838
YIQ	220.0780, 0.5010, 18.4610

# Conversions

## Conversions Part 2

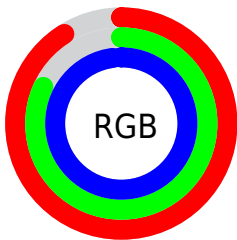
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 208, 251
Decimal	15257851
CIE <sub>Lab</sub>	86.62, 16.08, -17.98
CIE <sub>LCh</sub>	87, 24.127, 311.811
Yxy	69.2326, 0.3011, 0.2846
Android (android.graphics.Color)	4293447931 (0xFFE8D0FB)
YUV	220.0780, 15.2445, 10.4556
Hunter-Lab	83.2061, 11.5230, -13.5710

# Details

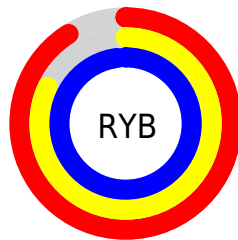
The Yxy color **69.2326, 0.3011, 0.2846** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.8971, 0.3227, 0.3739**, and the grayscale version is **71.5203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.2364, 0.2983, 0.2758** is the 20% darker color. If you saturate the color by 10%, you get **56.1481, 0.2928, 0.2564**, and if you desaturate by 10%, it is **84.3774, 0.3083, 0.3112**.

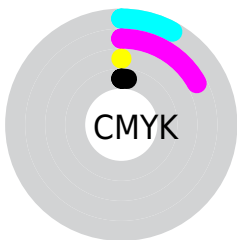
# Distribution



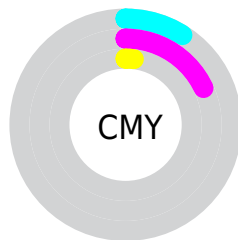
- Red (91%)
- Green (82%)
- Blue (98%)



- Red (91%)
- Yellow (82%)
- Blue (98%)



- Cyan (8%)
- Magenta (17%)
- Yellow (0%)
- Black (2%)




- Cyan (9%)
- Magenta (18%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.2326, 0.3011, 0.2846 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 69.2326, 0.3011, 0.2846 by changing the saturation by 10% instead.




 69.2326, 0.3011,  
0.2846

 69.2326, 0.3011,  
0.2846

457.8509, 0.3067,  
0.3047

 50.9012, 0.2998,  
0.2801

118.1137, 0.3031,  
0.2915

 36.1300, 0.2981,  
0.2747


149.4322, 0.3039,  
0.2942

 24.5346, 0.2959,  
0.2679


185.8485, 0.3045,  
0.2965

 15.7306, 0.2930,  
0.2591

227.7470, 0.3051,  
0.2985

 9.3338, 0.2889,  
0.2475

275.5121, 0.3056,  
0.3003

 4.9595, 0.2829,  
0.2313

329.5282, 0.3060,

 2.2235, 0.2730,

0.3019

0.2075

390.1797, 0.3064,  
0.3034

0.7328, 0.2552,  
0.1679

0.0000, 0.0416,  
0.0000

69.2326, 0.3011,  
0.2846

69.2326, 0.3011,  
0.2846

56.1481, 0.2928,  
0.2564

84.3774, 0.3083,  
0.3112

45.0222, 0.2832,  
0.2272

99.5949, 0.3145,  
0.3328

35.7572, 0.2726,  
0.1980

99.7462, 0.3150,  
0.3328

28.2437, 0.2612,  
0.1701

■ 22.3604, 0.2492,  
0.1448

■ 17.9695, 0.2372,  
0.1236

■ 14.9100, 0.2257,  
0.1075

■ 12.9751, 0.2151,  
0.0968

■ 12.5387, 0.2123,  
0.0943

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.2326, 0.2754, 0.2802



69.2326, 0.3011, 0.2846



69.2326, 0.3312, 0.2994

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.2326, 0.3011, 0.2846



69.2326, 0.3679, 0.3679



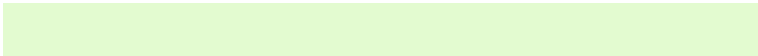
69.2326, 0.2697, 0.3346

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



69.2326, 0.3011, 0.2846



89.8971, 0.3227, 0.3739

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.2326, 0.2929, 0.3616



69.2326, 0.3011, 0.2846



69.2326, 0.3498, 0.3806

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.2326, 0.3011, 0.2846



69.2326, 0.3707, 0.3461



69.2326, 0.3222, 0.3788



69.2326, 0.2580, 0.3074



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.2326, 0.3011, 0.2846



69.2326, 0.3495, 0.3135



69.2326, 0.3222, 0.3788



69.2326, 0.2764, 0.3441

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



69.2355, 0.3011, 0.2846



91.0790, 0.3097, 0.3166



75.5137, 0.2856, 0.3037



19.2360, 0.3092, 0.3149



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.2355, 0.3011, 0.2846



66.2438, 0.2980, 0.2738



72.4592, 0.3162, 0.2885



17.1203, 0.3067, 0.3051



6.6775, 0.2139, 0.0952



0.6813, 0.2260, 0.1019



# Inverse Universe

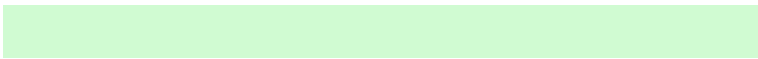
The Inverse Universe completely reimagines the original color for something new.



71.1759, 0.3317, 0.3097



68.6874, 0.3369, 0.3051



87.0779, 0.3093, 0.3732



17.3528, 0.3224, 0.3185



11.4125, 0.5206, 0.2642



1.0779, 0.4909, 0.2478



# Previews

## White Background



This preview shows how the Yxy color 69.2326, 0.3011, 0.2846 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

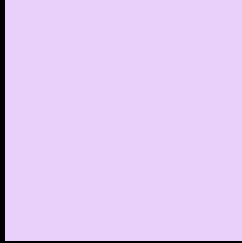
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.2326, 0.3011, 0.2846 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

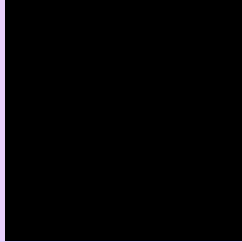
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

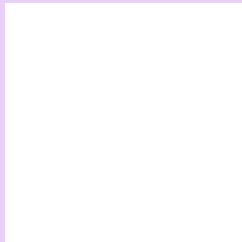
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.2326, 0.3011, 0.2846**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.2326, 0.3011, 0.2846.

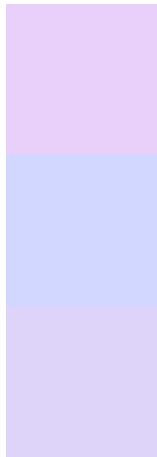


This preview shows how white text looks on a background with the Yxy color 69.2326, 0.3011, 0.2846.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

69.2326, 0.3011, 0.2846

### Protanopia

69.3762, 0.2832, 0.2862

### Deuteranopia

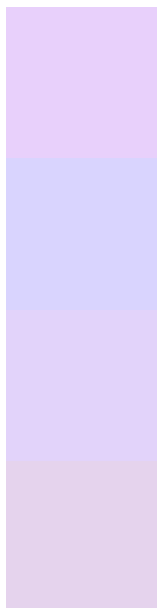
69.5187, 0.2948, 0.2890



## Tritanopia

69.2381, 0.3128, 0.3108

# Trichromacy



## Original Color

69.2326, 0.3011, 0.2846

## Protanomaly

68.9944, 0.2889, 0.2846

## Deuteranomaly

69.6594, 0.2976, 0.2882

## Tritanomaly

69.3610, 0.3082, 0.3015

# Monochromacy



## Original Color

69.2326, 0.3011, 0.2846

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

70.7285, 0.3085, 0.3129

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.2326, 0.3011, 0.2846 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(232, 208, 251)` looks like.

```
.text, #text, p{  
    color:rgb(232, 208, 251)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(232, 208, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 208, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 69.2326, 0.3011, 0.2846 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(232, 208, 251) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(232, 208, 251) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(232, 208, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 208, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 208, 251);  
box-shadow:4px 4px 4px 4px rgb(232, 208,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.2326, 0.3011, 0.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 208, 251) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(232,  
208, 251) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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